

PF-0479-2 DIV

<110> Bandman, Olga
Corley, Neil C.
Guegler, Karl J.
Baugh, Mariah R.

<120> HUMAN PROTEINASE MOLECULES

<130> PF-0479-2 DIV

<140> To Be Assigned
<141> Herewith

<150> US 09/802,633
<151> 2001-03-08

<150> US 09/032,523
<151> 1998-02-27

<160> 9

<170> PERL Program

<210> 1
<211> 248
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 456855

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				20				25						30
Glu	Gly	Gly	Gly	Arg	Asn	Ile	Gly	Gly	Ile	Val	Gly	Gly	Ile	Val
				35				40						45
Asn	Phe	Ile	Ser	Glu	Ala	Ala	Ala	Gln	Tyr	Thr	Pro	Glu	Pro	
				50				55						60
Pro	Pro	Thr	Gln	Gln	His	Phe	Thr	Ser	Val	Glu	Ala	Ser	Glu	Ser
				65				70						75
Glu	Glu	Val	Arg	Arg	Phe	Arg	Gln	Gln	Phe	Thr	Gln	Leu	Ala	Gly
				80				85						90
Pro	Asp	Met	Glu	Val	Gly	Ala	Thr	Asp	Leu	Met	Asn	Ile	Leu	Asn
				95				100						105
Lys	Val	Leu	Ser	Lys	His	Lys	Asp	Leu	Lys	Thr	Asp	Gly	Phe	Ser
				110				115						120
Leu	Asp	Thr	Cys	Arg	Ser	Ile	Val	Ser	Val	Met	Asp	Ser	Asp	Thr
				125				130						135
Thr	Gly	Lys	Leu	Gly	Phe	Glu	Glu	Phe	Lys	Tyr	Leu	Trp	Asn	Asn
				140				145						150
Ile	Lys	Lys	Trp	Gln	Cys	Val	Tyr	Lys	Gln	Tyr	Asp	Arg	Asp	His

155	160	165
Ser Gly Ser Leu	Gly Ser Ser Gln Leu	Arg Gly Ala Leu Gln Ala
170	175	180
Ala Gly Phe Gln	Leu Asn Glu Gln Leu	Tyr Gln Met Ile Val Arg
185	190	195
Arg Tyr Ala Asn	Glu Asp Gly Asp Met	Asp Phe Asn Asn Phe Ile
200	205	210
Ser Cys Leu Val	Arg Leu Asp Ala Met	Phe Arg Ala Phe Lys Ser
215	220	225
Leu Asp Arg Asp	Arg Asp Gly Leu Ile	Gln Val Ser Ile Lys Glu
230	235	240
Trp Leu Gln Leu	Thr Met Tyr Ser	
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<210> 2
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 <213> Homo sapiens

<220>
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Phe Thr Cys Gly Gly Ile Leu Thr	Gly Glu Ser Gly Phe Ile Gly		
35	40	45	
Ser Glu Gly Phe Pro Gly Val	Tyr Pro Pro Asn Ser Lys Cys Thr		
50	55	60	
Trp Lys Ile Thr Val Pro Glu Gly	Lys Val Val Val Leu Asn Phe		
65	70	75	
Arg Phe Ile Asp Leu Glu Ser Asp	Asn Leu Cys Arg Tyr Asp Phe		
80	85	90	
Val Asp Val Tyr Asn Gly His	Ala Asn Gly Gln Arg Ile Gly Arg		
95	100	105	
Phe Cys Gly Thr Phe Arg Pro	Gly Ala Leu Val Ser Ser Gly Asn		
110	115	120	
Lys Met Met Val Gln Met Ile	Phe Asp Ala Asn Thr Ala Gly Asn		
125	130	135	
Gly Phe Met Ala Met Phe Ser	Ala Ala Glu Pro Asn Glu Arg Gly		
140	145	150	
Asp Gln Tyr Cys Gly Gly	Leu Leu Asp Arg Pro Ser Gly Ser	Phe	
155	160	165	
Lys Thr Pro Asn Trp Pro Asp	Arg Asp Tyr Pro Ala Gly Val	Thr	
170	175	180	
Cys Val Trp His Ile Val Ala	Pro Lys Asn Gln Leu Ile Glu	Leu	
185	190	195	
Lys Phe Glu Lys Phe Asp Val	Glu Arg Asp Asn Tyr Cys Arg	Tyr	
200	205	210	
Asp Tyr Val Ala Val Phe Asn	Gly Gly Glu Val Asn Asp Ala	Arg	
215	220	225	

Arg Ile Gly Lys Tyr Cys Gly Asp Ser Pro Pro Ala Pro Ile Val
 230 235 240
 Ser Glu Arg Asn Glu Leu Leu Ile Gln Phe Leu Ser Asp Leu Ser
 245 250 255
 Leu Thr Ala Asp Gly Phe Ile Gly His Tyr Ile Phe Arg Pro Lys
 260 265 270
 Lys Leu Pro Thr Thr Glu Gln Pro Val Thr Thr Thr Phe Pro
 275 280 285
 Val Thr Thr Gly Leu Lys Pro Thr Val Ala Leu Cys Gln Gln Lys
 290 295 300
 Cys Arg Arg Thr Gly Thr Leu Glu Gly Asn Tyr Cys Ser Ser Asp
 305 310 315
 Phe Val Leu Ala Gly Thr Val Ile Thr Thr Ile Thr Arg Asp Gly
 320 325 330
 Ser Leu His Ala Thr Val Ser Ile Ile Asn Ile Tyr Lys Glu Gly
 335 340 345
 Asn Leu Ala Ile Gln Gln Ala Gly Lys Asn Met Ser Ala Arg Leu
 350 355 360
 Thr Val Val Cys Lys Gln Cys Pro Leu Leu Arg Arg Gly Leu Asn
 365 370 375
 Tyr Ile Ile Met Gly Gln Val Gly Glu Asp Gly Arg Gly Lys Ile
 380 385 390
 Met Pro Asn Ser Phe Ile Met Met Phe Lys Thr Lys Asn Gln Lys
 395 400 405
 Leu Leu Asp Ala Leu Lys Asn Lys Gln Cys
 410 415

<210> 3
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 <212> PRT
 <213> Homo sapiens

<220>
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20 25	30	
Ser Leu Lys Lys Leu Arg Ala Arg Ser	Gln Leu Ser Glu Phe	
35 40	45	
Trp Lys Ser His Asn Leu Asp Met Ile	Gln Phe Thr Glu Ser Cys	
50 55	60	
Ser Met Asp Gln Ser Ala Lys Glu Pro	Leu Ile Asn Tyr Leu Asp	
65 70	75	
Met Glu Tyr Phe Gly Thr Ile Ser Ile	Gly Ser Pro Pro Gln Asn	
80 85	90	
Phe Thr Val Ile Phe Asp Thr Gly Ser	Ser Asn Leu Trp Val Pro	
95 100	105	
Ser Val Tyr Cys Thr Ser Pro Ala Cys	Lys Thr His Ser Arg Phe	
110 115	120	
Gln Pro Ser Gln Ser Ser Thr Tyr Ser	Gln Pro Gly Gln Ser Phe	

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125	130	135	
Ser Ile Gln Tyr	Gly Thr Gly Ser	Leu Ser Gly Ile Ile Gly	Ala
140	145	150	
Asp Gln Val Ser	Val Glu Gly Leu Thr	Val Val Gly Gln Gln	Phe
155	160	165	
Gly Glu Ser Val	Thr Glu Pro Gly Gln	Thr Phe Val Asp Ala	Glu
170	175	180	
Phe Asp Gly Ile	Leu Gly Leu Gly Tyr	Pro Ser Leu Ala Val	Gly
185	190	195	
Gly Val Thr Pro	Val Phe Asp Asn Met	Met Ala Gln Asn Leu	Val
200	205	210	
Asp Leu Pro Met	Phe Ser Val Tyr Met	Ser Ser Asn Pro Glu	Gly
215	220	225	
Gly Ala Gly Ser	Glu Leu Ile Phe Gly	Gly Tyr Asp His Ser	His
230	235	240	
Phe Ser Gly Ser	Leu Asn Trp Val Pro	Val Thr Lys Gln Ala	Tyr
245	250	255	
Trp Gln Ile Ala	Leu Asp Asn Tyr Ala	Val Glu Cys Ala Asn	Leu
260	265	270	
Asn Val Met Pro	Asp Val Thr Phe Thr	Ile Asn Gly Val Pro	Tyr
275	280	285	
Thr Leu Ser Pro	Thr Ala Tyr Thr Leu	Leu Asp Phe Val Asp	Gly
290	295	300	
Met Gln Phe Cys	Ser Ser Gly Phe Gln	Gly Leu Asp Ile His	Pro
305	310	315	
Pro Ala Gly Pro	Leu Trp Ile Leu Gly	Asp Val Phe Ile Arg	Gln
320	325	330	
Phe Tyr Ser Val	Phe Asp Arg Gly Asn	Asn Arg Val Gly Leu	Ala
335	340	345	
Pro Ala Val Pro			

<210> 4
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 456855

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tttggaggag gtggtcagag aagagaagga ggaggaagaa atattggagg gatagttgga 180
ggaattgtga attttatcag tgaggctgca gcagctcagt atactccaga accgcctccc 240
actcagcagc atttcaccag tgtggaggcc tcagaaagtg aggaagttt gcgatttcgg 300
caacaattta cacagctggc tggaccagac atggaggtgg gtgccactga tctgatgaat 360
attctcaaca aagtcccttc taagcacaaa gatcttaaga ctgacggttt tagtcttgac 420
acctgcccga gcattgtgtc tgtcatggac agtgacacga ctggtaagct gggctttgaa 480
gaatattaagt atctgtggaa caacatcaag aaatggcagt gtgtttataa gcagtatgac 540
agggaccatt ctgggtctct gggaaattct cagctgcggg gagctctgca ggcgcaggc 600
ttccagctaa atgaacaact ttaccaaattt atgtccgc ggtatgctaa tgaagatgga 660
gatatggatt ttaacaattt catcagctgc ttggtccgc tggatgccat gttcgtgcc 720

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ttcaagtctc tggatagaga tagagatggc ctgattcaag tgtctatcaa agagtggctg 780
cagttgacca tgtattcctg aagtggAAC tgagaagtca agatccccc tggaggacag 840
gactgaaaac cttgccaagc tgtacacagt tgtctgatacc ctgtgcaaca gctctcattt 900
cctggcaagc tctttcacaa ccctacatat ttctgatcat gtgctgcctt ttactgctga 960
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<210> 5
<211> 1802
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 947429

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cagcagtccc cagagagacc tgttttcaca tgggtggca ttcttactgg agagtctgga 180
tttattggca gtgaaggttt tcctggagtg taccctccaa atagcaaatg tacttgaaa 240
atcacagttc cggaaaggaaa agtagtcgtt ctcaatttcc gattcataga cctcgagagt 300
gacaacctgt ggcgttatga ctttgtggat gtgtacaatg gccatgccaa tggccagcgc 360
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atggtgccaga tgatTTTGA tgccaaacaca gctggcaatg gcttcatggc catgttctcc 480
gctgctgaac caaacgaaag aggggatcag tattgtggag gactccttga cagaccttcc 540
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at 1802

<210> 6
<211> 2073
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
<223> Incyte ID No: 1515165

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cccataattt ggacatgatc cagttcaccg agtcctgctc aatggaccag agtgc当地 240
aaccctcat caactacttg gatatgaaat acttcggcac tatctccatt ggctccccac 300
cacagaactt cactgtcatc ttgcacactg gtcctccaa cctctgggtc ccctctgtgt 360
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gtgtcacaga gccaggccag acctttgtgg atgcagagtt tgatgaaatt ctgggcctgg 600
gataccctc ttggctgtg ggaggagtga ctccagtt tgacaacatg atggctcaga 660
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ggagcgagct gatTTTggc ggctacgacc actcccattt ctctgggagc ctgaattggg 780
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<210> 7
<211> 266
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 164403

<400> 7

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Gly	Gly	Gly	Gly	Gly	Ley	Gly	Gly	Ley	Gly	Asn	Val	Ley	Gly	
						20			25					30

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Gly Leu Ile Ser Gly Ala Gly Gly Gly Gly Gly Gly Gly Gly
35 40 45
Gly Gly Gly Gly Gly Gly Gly Thr Ala Met Arg Ile Leu
50 55 60
Gly Gly Val Ile Ser Ala Ile Ser Glu Ala Ala Ala Gln Tyr Asn
65 70 75
Pro Glu Pro Pro Pro Arg Thr His Tyr Ser Asn Ile Glu Ala
80 85 90
Asn Glu Ser Glu Glu Val Arg Gln Phe Arg Arg Leu Phe Ala Gln
95 100 105
Leu Ala Gly Asp Asp Met Glu Val Ser Ala Thr Glu Leu Met Asn
110 115 120
Ile Leu Asn Lys Val Val Thr Arg His Pro Asp Leu Lys Thr Asp
125 130 135
Gly Phe Gly Ile Asp Thr Cys Arg Ser Met Val Ala Val Met Asp
140 145 150
Ser Asp Thr Thr Gly Lys Leu Gly Phe Glu Glu Phe Lys Tyr Leu
155 160 165
Trp Asn Asn Ile Lys Lys Trp Gln Ala Ile Tyr Lys Gln Phe Asp
170 175 180
Val Asp Arg Ser Gly Thr Ile Gly Ser Ser Glu Leu Pro Gly Ala
185 190 195
Phe Glu Ala Ala Gly Phe His Leu Asn Glu His Leu Tyr Ser Met
200 205 210
Ile Ile Arg Arg Tyr Ser Asp Glu Gly Gly Asn Met Asp Phe Asp
215 220 225
Asn Phe Ile Ser Cys Leu Val Arg Leu Asp Ala Met Phe Arg Ala
230 235 240
Phe Lys Ser Leu Asp Lys Asp Gly Thr Gly Gln Ile Gln Val Asn
245 250 255
Ile Gln Glu Trp Leu Gln Leu Thr Met Tyr Ser
260 265

<210> 8
<211> 468
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2589009

<400> 8
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Arg Pro Val Phe Leu Cys Gly Gly Asp Val Thr Gly Glu Ser Gly
35 40 45
Tyr Val Ala Ser Glu Gly Phe Pro Asn Leu Tyr Pro Pro Asn Lys
50 55 60
Lys Cys Ile Trp Thr Ile Thr Val Pro Glu Gly Gln Thr Val Ser
65 70 75
Leu Ser Phe Arg Val Phe Asp Met Glu Leu His Pro Ser Cys Arg

80	85	90
Tyr Asp Ala Leu Glu Val Phe Ala Gly Ser	Gly Thr Ser Gly	Gln
95	100	105
Arg Leu Gly Arg Phe Cys Gly Thr Phe Arg	Pro Ala Pro Val Val	
110	115	120
Ala Pro Gly Asn Gln Val Thr Leu Arg Met	Thr Thr Asp Glu Gly	
125	130	135
Thr Gly Gly Arg Gly Phe Leu Leu Trp Tyr	Ser Gly Arg Ala Thr	
140	145	150
Ser Gly Thr Glu His Gln Phe Cys Gly Gly	Arg Met Glu Lys Ala	
155	160	165
Gln Gly Thr Leu Thr Thr Pro Asn Trp Pro	Glu Ser Asp Tyr Pro	
170	175	180
Pro Gly Ile Ser Cys Ser Trp His Ile Ile	Ala Pro Ser Asn Gln	
185	190	195
Val Ile Met Leu Thr Phe Gly Lys Phe Asp	Val Glu Pro Asp Thr	
200	205	210
Tyr Cys Arg Tyr Asp Ser Val Ser Val Phe	Asn Gly Ala Val Ser	
215	220	225
Asp Asp Ser Lys Arg Leu Gly Lys Phe Cys	Gly Asp Lys Ala Pro	
230	235	240
Ser Pro Ile Ser Ser Glu Gly Asn Glu	Leu Leu Val Gln Phe Val	
245	250	255
Ser Asp Leu Ser Val Thr Ala Asp Gly Phe	Ser Ala Ser Tyr Arg	
260	265	270
Thr Leu Pro Arg Asp Ala Val Glu Lys	Glu Ser Ala Leu Ser Pro	
275	280	285
Gly Glu Asp Val Gln Arg Gly Pro Gln Ser	Arg Ser Asp Pro Lys	
290	295	300
Thr Gly Thr Gly Pro Lys Val Lys Pro	Pro Thr Lys Pro Lys Ser	
305	310	315
Gln Pro Ala Glu Thr Pro Glu Ala Ser Pro	Ala Thr Gln Ala Thr	
320	325	330
Pro Val Ala Pro Ala Ala Pro Ser Ile	Thr Cys Pro Lys Gln Tyr	
335	340	345
Lys Arg Ser Gly Thr Leu Gln Ser Asn Phe	Cys Ser Ser Ser Leu	
350	355	360
Val Val Thr Gly Thr Val Lys Thr Met Val	Arg Gly Pro Gly Glu	
365	370	375
Gly Leu Thr Val Thr Val Ser Leu Leu	Gly Val Tyr Lys Thr Gly	
380	385	390
Gly Leu Asp Leu Pro Ser Pro Pro Ser	Gly Thr Ser Leu Lys Leu	
395	400	405
Tyr Val Pro Cys Arg Gln Met Pro Pro	Met Lys Lys Gly Ala Ser	
410	415	420
Tyr Leu Leu Met Gly Gln Val Glu Glu Asn	Arg Gly Pro Ile Leu	
425	430	435
Pro Pro Glu Ser Phe Val Val Leu Tyr Arg	Ser Asn Gln Asp Gln	
440	445	450
Ile Leu Asn Asn Leu Ser Lys Arg Lys Cys	Pro Ser Gln Pro Arg	
455	460	465
Thr Ala Ala		

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<210> 9
<211> 396
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 181994

<400> 9

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				20				25				30		
Ser	Leu	Lys	Lys	Leu	Arg	Ala	Arg	Ser	Gln	Leu	Ser	Glu	Phe	
				35				40				45		
Trp	Lys	Ser	His	Asn	Leu	Asp	Met	Ile	Gln	Phe	Thr	Glu	Ser	Cys
				50				55				60		
Ser	Met	Asp	Gln	Ser	Ala	Lys	Glu	Pro	Leu	Ile	Asn	Tyr	Leu	Asp
				65				70				75		
Met	Glu	Tyr	Phe	Gly	Thr	Ile	Ser	Ile	Gly	Ser	Pro	Pro	Gln	Asn
				80				85				90		
Phe	Thr	Val	Ile	Phe	Asp	Thr	Gly	Ser	Ser	Asn	Leu	Trp	Val	Pro
				95				100				105		
Ser	Val	Tyr	Cys	Thr	Ser	Pro	Ala	Cys	Lys	Thr	His	Ser	Arg	Phe
				110				115				120		
Gln	Pro	Ser	Gln	Ser	Ser	Thr	Tyr	Ser	Gln	Pro	Gly	Gln	Ser	Phe
				125				130				135		
Ser	Ile	Gln	Tyr	Gly	Thr	Gly	Ser	Leu	Ser	Gly	Ile	Ile	Gly	Ala
				140				145				150		
Asp	Gln	Val	Ser	Val	Glu	Gly	Leu	Thr	Val	Val	Gly	Gln	Gln	Phe
				155				160				165		
Gly	Glu	Ser	Val	Thr	Glu	Pro	Gly	Gln	Thr	Phe	Val	Asp	Ala	Glu
				170				175				180		
Phe	Asp	Gly	Ile	Leu	Gly	Leu	Gly	Tyr	Pro	Ser	Leu	Ala	Val	Gly
				185				190				195		
Gly	Val	Thr	Pro	Val	Phe	Asp	Asn	Met	Met	Ala	Gln	Asn	Leu	Val
				200				205				210		
Asp	Leu	Pro	Met	Phe	Ser	Val	Tyr	Met	Ser	Ser	Asn	Pro	Glu	Gly
				215				220				225		
Gly	Ala	Gly	Ser	Glu	Leu	Ile	Phe	Gly	Gly	Tyr	Asp	His	Ser	His
				230				235				240		
Phe	Ser	Gly	Ser	Leu	Asn	Trp	Val	Pro	Val	Thr	Lys	Gln	Ala	Tyr
				245				250				255		
Trp	Gln	Ile	Ala	Leu	Asp	Asn	Ile	Gln	Val	Gly	Gly	Thr	Val	Met
				260				265				270		
Phe	Cys	Ser	Glu	Gly	Cys	Gln	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser
				275				280				285		
Leu	Ile	Thr	Gly	Pro	Ser	Asp	Lys	Ile	Lys	Gln	Leu	Gln	Asn	Ala
				290				295				300		
Ile	Gly	Ala	Ala	Pro	Val	Asp	Gly	Glu	Tyr	Ala	Val	Glu	Cys	Ala
				305				310				315		
Asn	Leu	Asn	Val	Met	Pro	Asp	Val	Thr	Phe	Thr	Ile	Asn	Gly	Val
				320				325				330		

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Pro	Tyr	Thr	Leu	Ser	Pro	Thr	Ala	Tyr	Thr	Leu	Leu	Asp	Phe	Val
					335				340					345
Asp	Gly	Met	Gln	Phe	Cys	Ser	Ser	Gly	Phe	Gln	Gly	Leu	Asp	Ile
					350				355					360
His	Pro	Pro	Ala	Gly	Pro	Leu	Trp	Ile	Leu	Gly	Asp	Val	Phe	Ile
					365				370					375
Arg	Gln	Phe	Tyr	Ser	Val	Phe	Asp	Arg	Gly	Asn	Asn	Arg	Val	Gly
					380				385					390
Leu	Ala	Pro	Ala	Val	Pro									
					395									